



COPY OF PAPERS
ORIGINALLY FILED

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Castillo et al.

Examiner:

Delacroix-Muirheid, C.

Serial No.: 09/786,034

Group Art Unit:

1614

Filing Date: 04/23/2001

Attorney Docket No.:

PROTEO.P07CIB

Title of Invention: Blended Compositions for Treatment of Alzheimer's Disease and Other Amyloidoses

RECEIVED

FEB 15 2002

INFORMATION DISCLOSURE CITATION

TECH CENTER 1600/29C

U.S. PATENT DOCUMENTS

Ex.	Doc #	Issue Number	Issue Date	Inventor	Class	Sub Class	Filing Date
	A	4,940,725	07/1990	Keplinger et al.	514	411	
	B	5,302,611	04/1992	Keplinger et al.	514	411	
	C	4,844,901	07/1989	Keplinger et al.	424	195.1	
	D	5,166,139	11/1992	Bombardelli et al.	514	26	
	E	5,571,441	11/1996	Andon et al.	424	195.1	
	F	5,681,569	10/1997	Kuznicki et al.	424	195.1	
	G	6,039,949	3/2000	Pero	424	195.1	

OTHER REFERENCES

Ex.	Doc #	Description (Author, Title, Date, Pertinent Pages, Etc.)
	H	BRAQUET ET AL. "Ethnopharmacology and the Development of Natural PAF Antagonists as Therapeutic Agents," Journal of Ethnopharmacology, Vol. 32, pp.135-139, 1991.
	I	HO ET AL. "Phytochemicals in Teas and Rosemary and Their Cancer-Preventive Properties," ACS Symp. Ser. (Food Phytochemicals for Cancer Prevention II) Vol. 547, pp.2-19 1994.
	J	JAIN ET AL. "Antiinflammatory Effects of an Ayurvedic Preparation, <i>Brahmi Rasayan</i> , in Rodents," Indian Journal of Experimental Biology, Vol. 32, pp.633-636, Sept. 1994.
	K	PUCHTLER ET AL. "On the Binding of Congo Red by Amyloid," pp.355-364, [complete publication data unknown].
	L	BENSON ET AL. "Serum Amyloid a Protein in Amyloidosis, Rheumatic, and Neoplastic Diseases," Arthritis and Rheumatism, Vol. 22, No. 1, pp.36-42, Jan. 1979.
	M	KAMEI ET AL. "Amyloidosis Associated with Juvenile Rheumatoid Arthritis," Acta Pathol. Jpn., Vol. 32, No. 1, pp.23-33, 1982.

CERTIFICATE OF MAILING (37 CFR 1.8A)

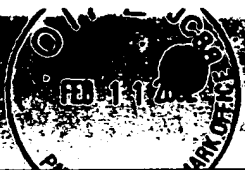
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D. C. 20231.

January 3, 2002

Patrick Dwyer

1-8PCRT.INS

BEST AVAILABLE COPY



COPY 6
ORIGIN
FILERS
FILE

FEB 15 2002

TECH GEN
ER 1600/2900

Com	N	MCADAM ET AL. "Association of Amyloidosis with Erythema Nodosum Leprosus Reactions and Recurrent Neutrophil Leucocytosis in Leprosy," The Lancet, pp.572-576, Sept. 27, 1975.
	O	METAXIS ET AL. "Familial Mediterranean Fever and Amyloidosis," Kidney International, Vol 20, pp.676-685, 1981.
	P	HARADA ET AL. "Human Amyloid Protein: Chemical Variability and Homogeneity," Journal of Histochemistry and Cytochemistry, Vol. 19, No. 1, pp.1-15, June 1970.
	Q	JOHNSON ET AL. "Islet Amyloid, Islet-Amyloid Polypeptide, and Diabetes Mellitus," The New England Journal of Medicine, Vol. 321, No. 8, pp. 513-518, Aug. 24, 1989.
	R	JOHNSON ET AL. "Islet Amyloid Polypeptide: Mechanisms of Amyloidogenesis in the Pancreatic Islet and Potential Roles in Diabetes Mellitus," Laboratory Investigation, Vol. 66, No. 5, pp.522-534, 1992.
	S	GEJYO ET AL. "A New Form of Protein Associated with Chronic Hemodialysis was Identified as B2 Microglobulin," Biochemical and Biophysical Research Communications, Vol. 129, No. 3, pp. 701-706, 1985.
	T	GEJYO ET AL. "B2-Microglobulin: A New Form of Protein Associated with Chronic Hemodialysis," Kidney International, Vol. 30, pp.385-390, Jan. 1986.
	U	SKINNER ET AL. "The Prealbumin Nature of the Amyloid Protein in Familial Amyloid Polyneuropathy (FAP) Swedish Variety," Biochemical and Biophysical Research Communications, Vol. 99, No. 4, pp.1326-1332, April 1981.
	V	SARAIVA ET AL. "Studies on Plasma Transthyretin (Prealbumin) in Familial Amyloidotic Polyneuropathy, Portuguese Type," Department of Medicine, Columbia University College of Physicians and Surgeons, Vol. 102, No. 4, pp.590-603, June 1983.
	W	SARAIVA ET AL. "Amyloid Fibril Protein in Familial Amyloidotic Polyneuropathy, Portuguese Type," The American Society for Clinical Investigation, Inc., Vol. 74, pp.104-119, July 1984.
	X	TAWARA ET AL. "Amyloid Fibril Protein in Type 1 Familial Amyloidotic Polyneuropathy in Japanese," Laboratory of Clinical Investigation, Vol. 98, No. 6, pp.811-822, Dec. 1981.
	Y	"Progress Report on Alzheimers Disease," The National Institute on Aging, National Institutes of Health, 1997, [author and complete publishing data unknown].
	Z	CUTLER ET AL. "Correspondence: Tacrine in Alzheimers Disease," The New England Journal of Medicine, pp. 808-810, March 1993.
	AA	BARNER ET AL. "Donepezil Use in Alzheimer Disease," The Annals of Pharmacotherapy, Vol. 32, pp.70-77, Jan. 1998.
	BB	GLENNER ET AL. "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," Biochemical and Biophysical Research Communications, Vol. 120, No. 3, pp.885-890, May 16, 1984.
	CC	MASTERS ET AL. "Amyloid Plaque Core Protein in Alzheimers Disease and Down Syndrome," Medical Sciences, Vol. 82, pp.4245-4249, June 1983.
	DD	HUSBY ET AL. "Nomenclature of Amyloid and Amyloidosis," Bulletin of the World Health Organization, Vol. 71, No. 1, pp.105-108, 1993.
	EE	TANZI ET AL. "Protein Inhibitor Domain Encoded by an Amyloid Protein Precursor mRNA Associated with Alzheimer's Disease," Nature, Vol. 331, pp.528-532, Feb. 1988.
	FF	KITAGUCHI ET AL. "Novel Precursor of Alzheimer's Disease Amyloid Protein Shows Protease Inhibitory Activity," Nature, Vol. 331, pp.530-532, Feb. 1988.

BEST AVAILABLE COPY

OTPE
FEB 11 2002

COPY OF
ORIGINAL FILED

RECEIVED
FEB 13 2002
TECH CENTER
ER 1600/2900

GG	DONN ET AL. "A New A4 Amyloid mRNA Contains a Domain Homologous to Serine Proteinase Inhibitors," Nature, Vol. 311, pp.525-527, Feb. 1988.
HH	GRUNDKE-IQBAL ET AL. "Abnormal Phosphorylation of the Microtubule-Associated Protein Tau Alzheimer Cytoskeletal Pathology," Proc. Natl. Acad. Sci. USA, Vol. 83, pp.4913-4917, July 1986.
II	KOSIK ET AL. "Microtubule-Associated Protein Tau is a Major Antigenic Component of Paired Helicule Filaments in Alzheimer's Disease," Proc. Natl. Acad. Sci. USA, Vol. 83, pp.4044-4048, June 1986.
JJ	LEE ET AL. "A68: A Major Subunit of Paired Helical Filaments and Derivatized Forms of Normal Tau," Science, Vol. 251, pp.675-678, Feb. 1991.
KK	MANDYBUR ET AL. "Cerebral Amyloid Angiopathy: The Vascular Pathology and Complications," Journal of Neuropathology and Experimental Neurology, Vol. 45, No. 1, pp.79-90, Jan. 1986.
LL	PARDRIDGE ET AL. "Amyloid Angiopathy of Alzheimer's Disease: Amino Acid Composition and Partial Sequence of a 4,200-Dalton Peptide Isolated from Cortical Microvessels," Journal of Neurochemistry, Vol. 49, No. 5, pp.1394-1401, 1987.
MM	PIKE ET AL. "In Vitro Aging of B-Amyloid Protein Cause Peptide Aggregation and Neurotoxicity," Brain Research, Vol. 563, pp.311-314, 1991.
NN	PIKE ET AL. "Structure-Activity Analyses of B-Amyloid Peptides: Contributions of the B25-35 Region to Aggregation and Neurotoxicity," Journal of Neurochemistry, Vol. 64, No. 1, pp.253-265, 1995.
OO	HARRIGAN ET AL. "Beta Amyloid is Neurotoxic in Hippocampal Slice Cultures," The Neurobiology of Aging, Vol. 16, No. 5, pp.779-789, 1995.
PP	GAMES ET AL. "Alzheimer-type neuropathology in transgenic mice overexpressing V717F B-amyloid precursor protein," Nature, Vol. 373, pg. 523-527, February 9, 1995.
QQ	HSIAO ET AL. "Age-related CNS Disorder and early death in transgenic FVB/N mice overexpressing alzheimer amyloid precursor proteins," Neuron, Vol. 15, 1203-1218, November, 1995.
RR	FLOOD ET AL. "Amnestic effects in mice of four synthetic peptides homologous to amyloid B protein from patients wit alzheimer disease," Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 3363-3366, April 1991.
SS	FLOOD ET AL. "An amyloid B-protein fragment, AB[12-18], equipotently impairs post-training memory processing when injected into different limbic system structures," Brain Research 663 (1994).
TT	BROECKHOVEN ET AL. "Amyloid B Protein precursor gene and Hereditary cerebral hemorrhage with amyloidosis (Dutch)," Science, Vol. 248, pp. 1120-1122.
UU	MURRELL ET AL. "A mutation in the amyloid recursor protein associated with hereditary alzheimer's disease," Reports, pp. 97-99, October 4, 1991.
VV	HAASS ET AL. "The swedish mutation causes early-onset alzheimer's disease by B-secretase cleavage with in the secretory pathway," Nature medicine, Volume 1, Number 12, December 1995.
WW	STEINBERG. "Uncaria Tomentosa (cat's Claw) A wondrous herb from the peruvian rain forest," Townsend letter for doctors-pp, 442-443, may 1994.
XX	NAIKI ET AL. "Kinetic analysis of amyloid Fibril polymerization in vitro," Laboratory Investigation, Vol. 65, no.1, p.104, 1991
YY	LEVINE. "Thioflavine T interaction with synthetic alzheimer's disease B-amyloid peptides: Detection of amyloid aggregation in solution," Protein Science, 2, 404-410, 1993.

RECEIVED AVAILABLE COPY

OTPE JCE
FEB 11 2002
OFFICE

ZZ	PATENT	LEVINE. "Thioflavine T interacton with amyloid B-sheet structures." Amyloid: Int. Exp. Clin. Invest. 2, 1-6, 1995.
AAA		NAIKI. "First order kinetic model of alzheimer's B-amyloid fibril extension in vitro." Laboratory investigation, Vol. 74, No.2, p.374, 1996.
BBB		SNOW. "Proteoplycans in the pathogenesis of alzheimer's disease and other amyloidoses." Neurobiology of Aging, Vol. 10, pp. 481-497, 1989.
CCC		CASTILLO. "Perlecan Binds to the B-amyloid proteins (AB) of alzheimer's desease, Accelerates AB fibril formation, and Maintains AB fibril Stability." Journal of Neurochemistry, Vol.69, No.6, pp. 2452-2465, 1997.
DDD		CASTILLO. "Novel Purification and detailed characterization of perlecan isolated from the engelbreth-holm-swarm tumor for use in an animal model of fibrillar AB amyloid persistence in brain." J. Biochen. Vol. 120, No.2, pp. 433-444, 1996.
EEE		TAMAOKA ET AL. "Amyloid B protein 1-42/43(AB 1-42/43) in crebellar diffuse plaques: enzyme-linked immunosorbent assay and immunocytochemical study." Brain Research 679 (1995)151-156.
FFF		TAMAOKA ET AL. "Biochemical evidence for the long tail form of amyloid B protein as a seed molecule in cerebral deposits of alzheimer's disease." Biochemical and biophysical research communications, Vol.205, No. 1, pp.834-842, 1994.
GGG		COOPER ET AL. "Purification and characterization of a peptide from amyloid-rich pancreases of type 2 diabetic patients." Proc. Natl. Acad. Sci. USA, Vol. 84, pp.8628-8632, December 1987.
HHH		CASTILLO ET AL. "Sulfate content and specific glycosaminoglycan backbone of perlecan are critical of perlecan's enhancement of islet amyloid polypeptide (Amylin) Fibril formation." Diabetes, Vol. 47, pp. 612-620, April 1998.
III		SCHECHTER, "Cat's claw", Health Foods Business, Vol. 43, No. 7, pages 77-78, abstract, July 1997.

EXAMINER	<i>cm</i>	DATE CONSIDERED	8/29/02
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this document with next communication to applicant.			

BEST AVAILABLE COPY

COPY OF PAPERS
ORIGINALLY FILED

RECEIVED

FEB 15 2002

TECH CENTER 1600/2900